

FIG. 1

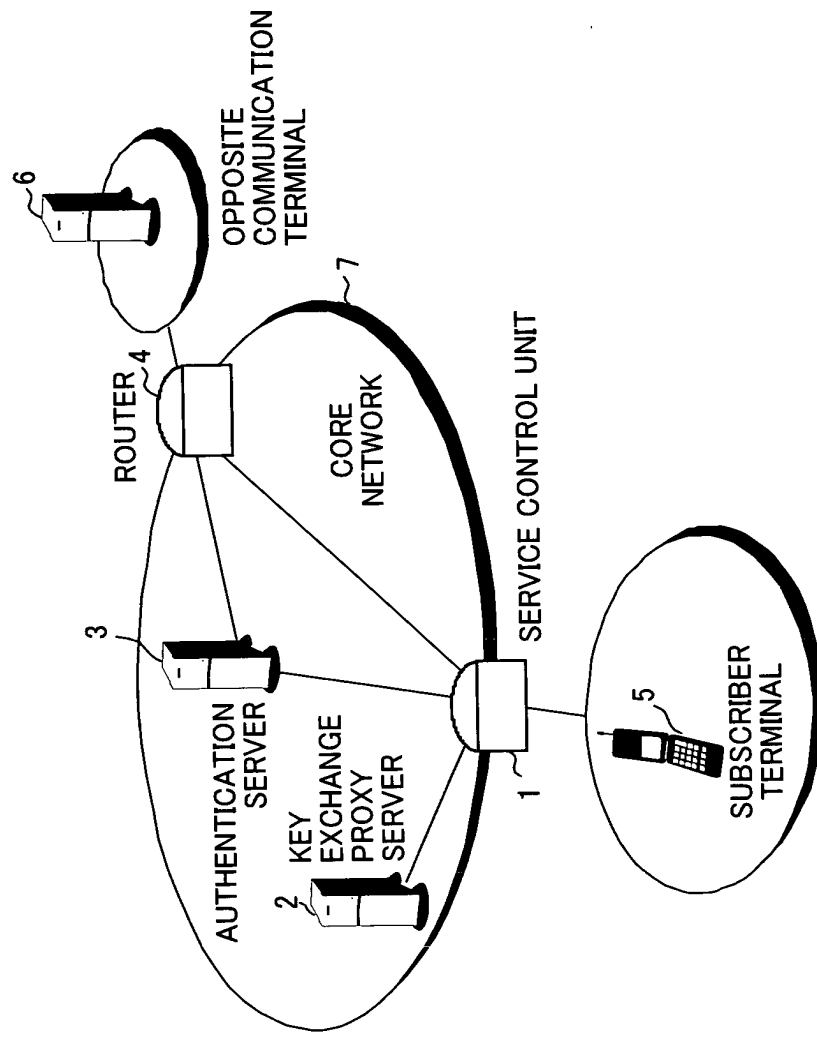
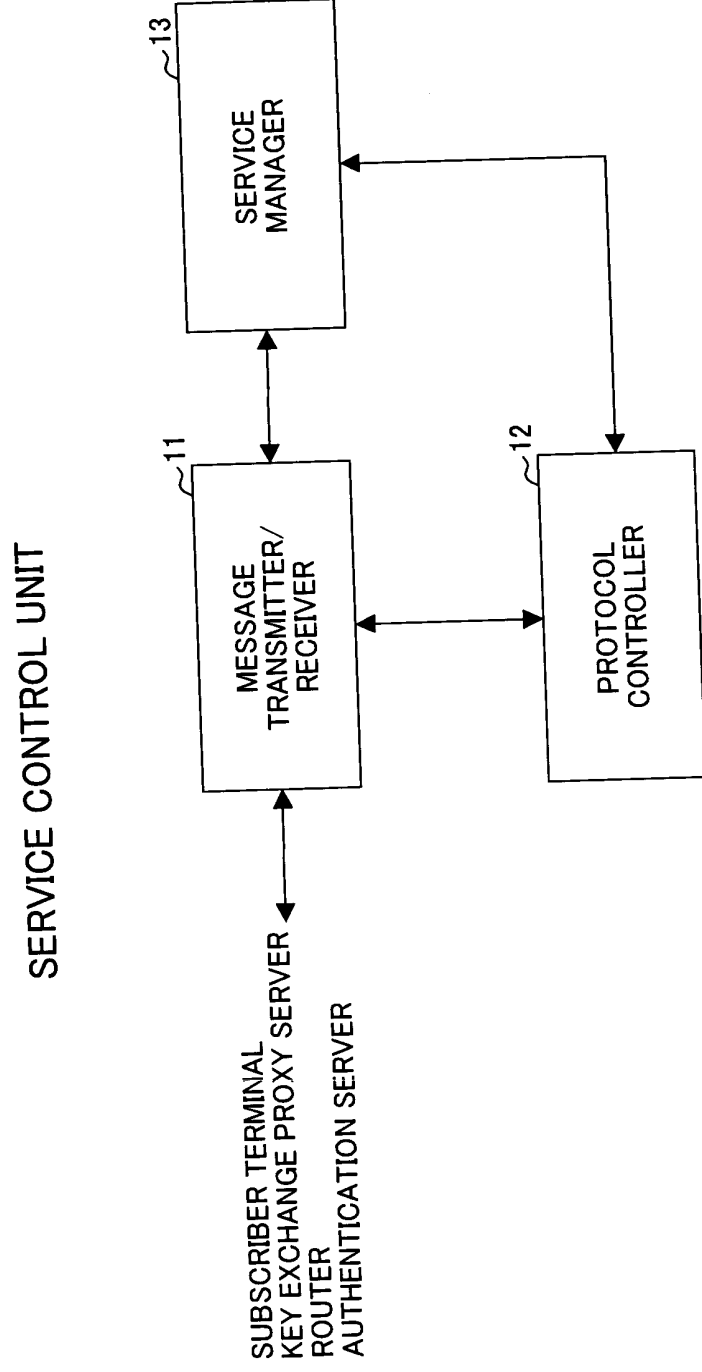


FIG. 2



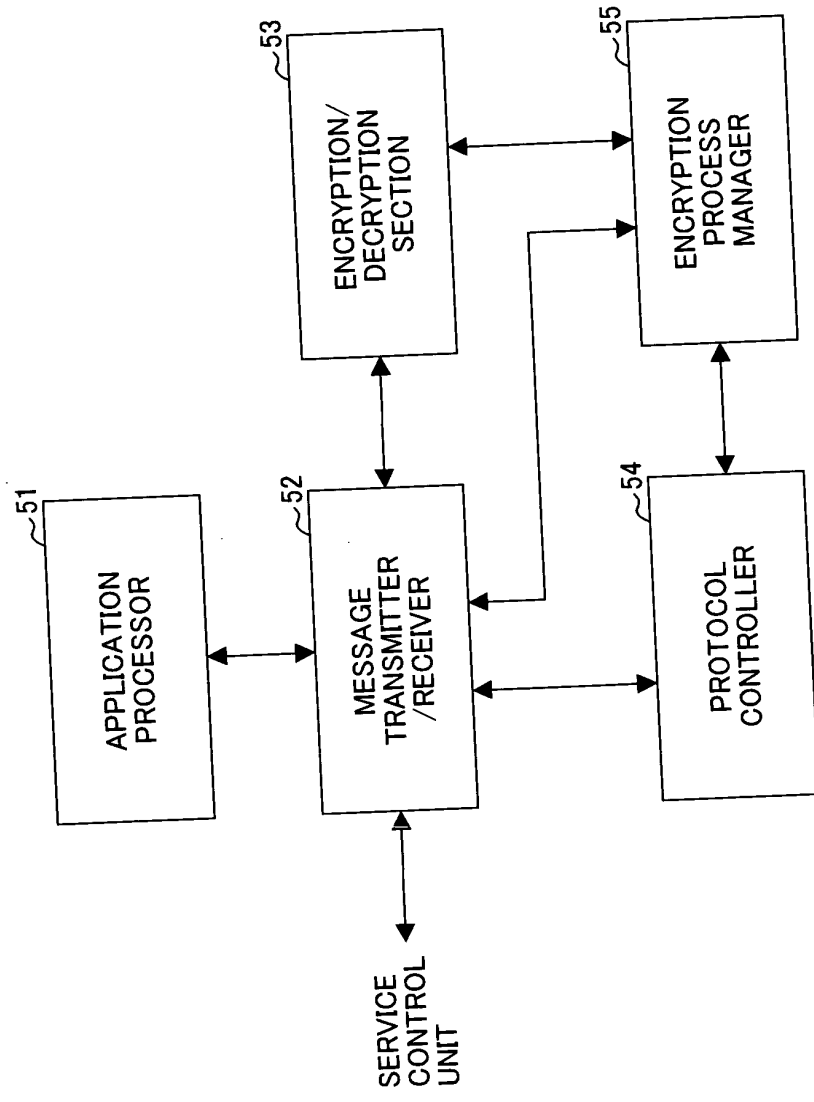
**FIG. 3**

**SERVICE PROFILE**

NAME	CONTENT
SUBSCRIBER IDENTIFICATION INFORMATION	TELEPHONE NUMBER
	NAI
	AUTHENTICATION ENTRY NUMBER
	· · ·
IPSec APPLICATION CONDITION 1	IP ADDRESS
	PORT NUMBER
IPSec APPLICATION CONDITION 2	IP ADDRESS
	PORT NUMBER
· · ·	· · ·

FIG. 4

SUBSCRIBER TERMINAL



# DATA RETAINED BY SUBSCRIBER TERMINAL

**FIG. 5A**

**SPD**

NAME	CONTENT
IPSec APPLICATION CONDITION 1	IP ADDRESS
	PORT NUMBER
IPSec APPLICATION CONDITION 2	IP ADDRESS
	PORT NUMBER
.	.
.	.
.	.

**FIG. 5B**

**SAD**

NAME	APPLICATION CONDITION	CONTENT
IPSec APPLICATION CONDITION 1	IP ADDRESS	ENCRYPTION PROTOCOL
		KEY
	PORT NUMBER	SPI
IPSec APPLICATION CONDITION 2	IP ADDRESS	ENCRYPTION PROTOCOL
		KEY
	PORT NUMBER	SPI
.	.	.
.	.	.
.	.	.

FIG. 6

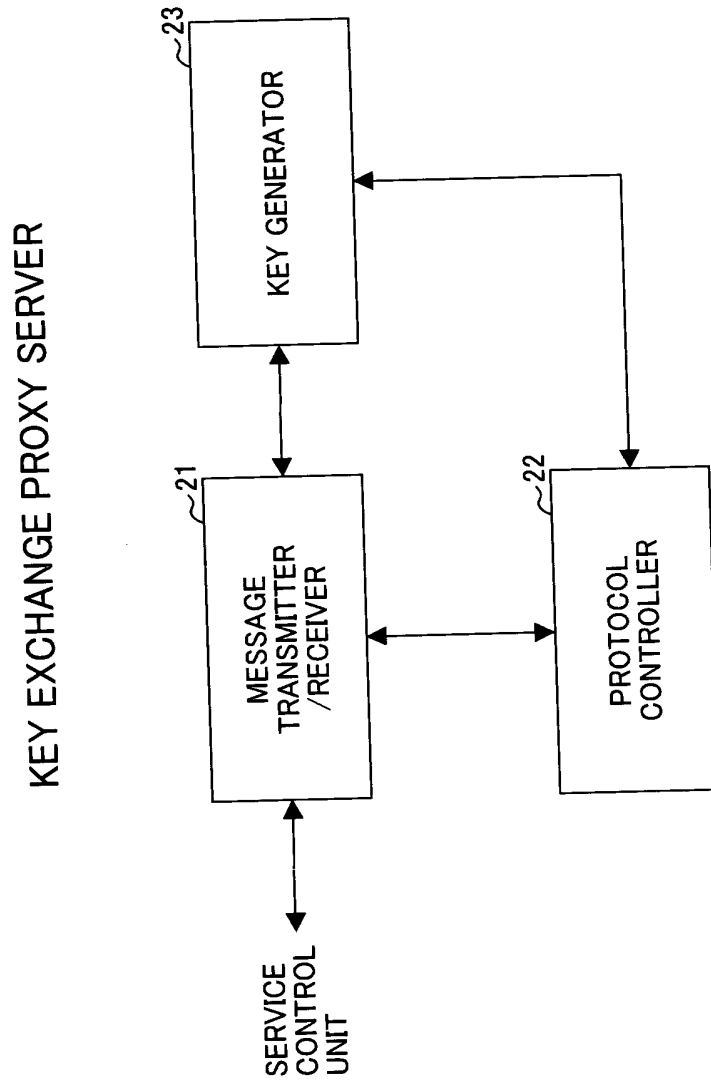


FIG. 7

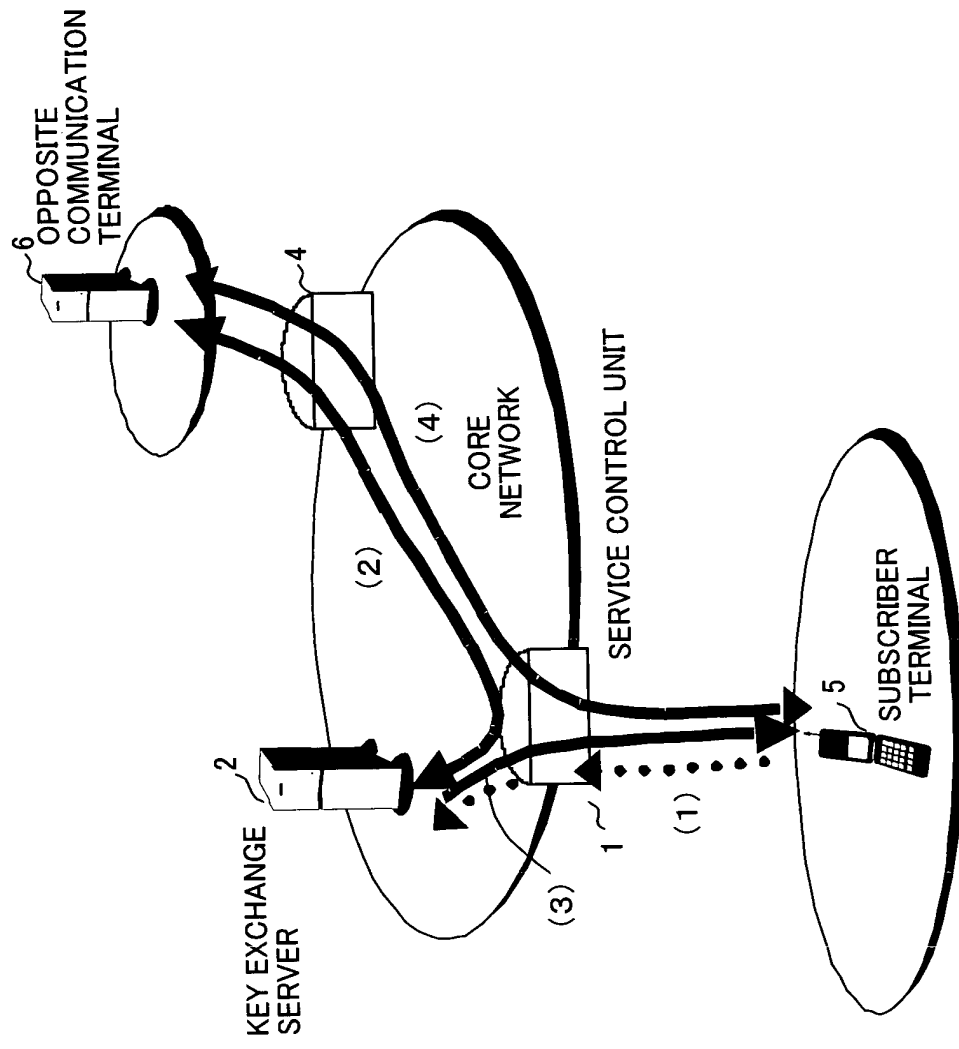


FIG. 8

SUBSCRIBER TERMINAL PROCESS SEQUENCE  
(COMMUNICATION START)

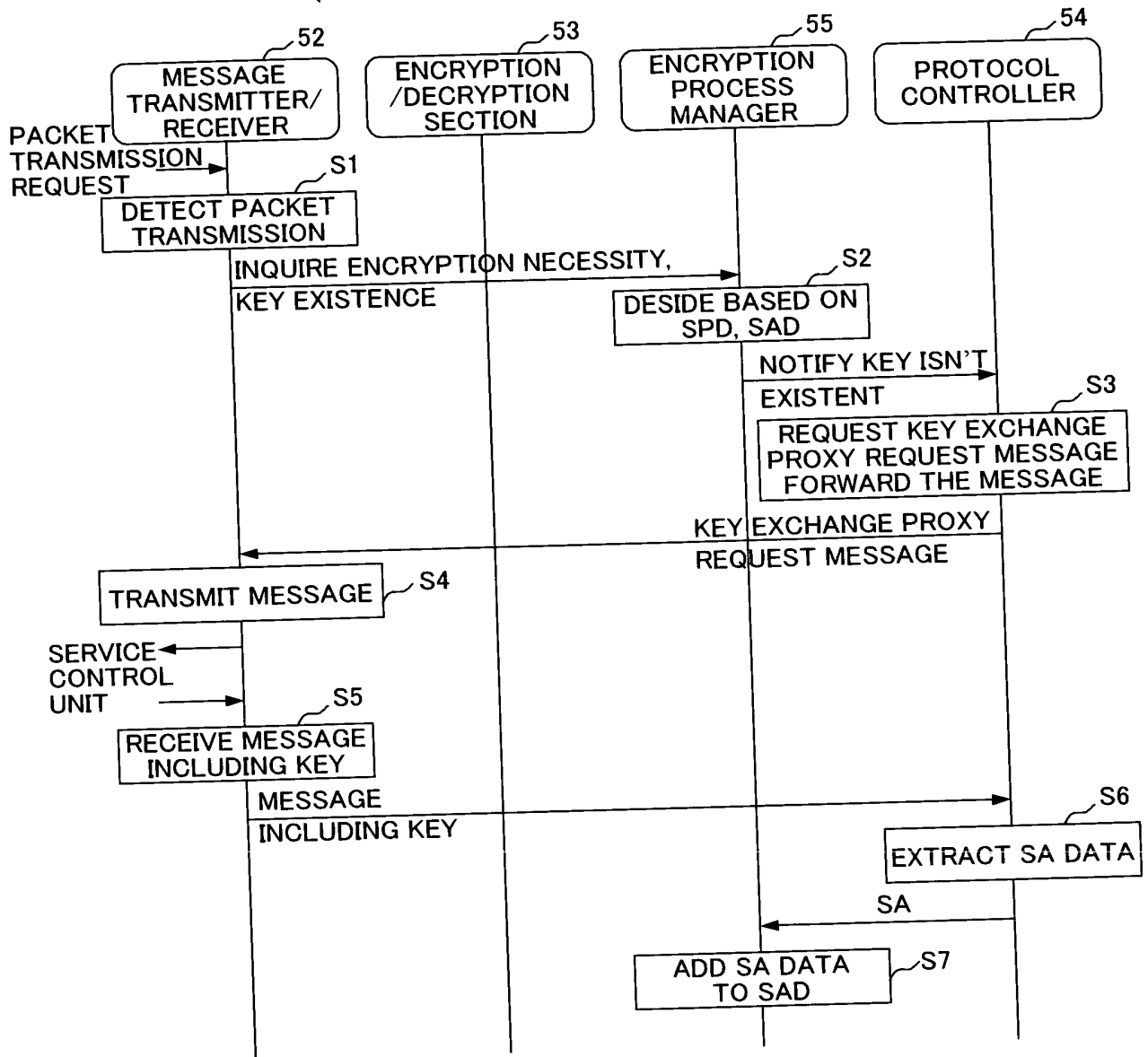




FIG. 9

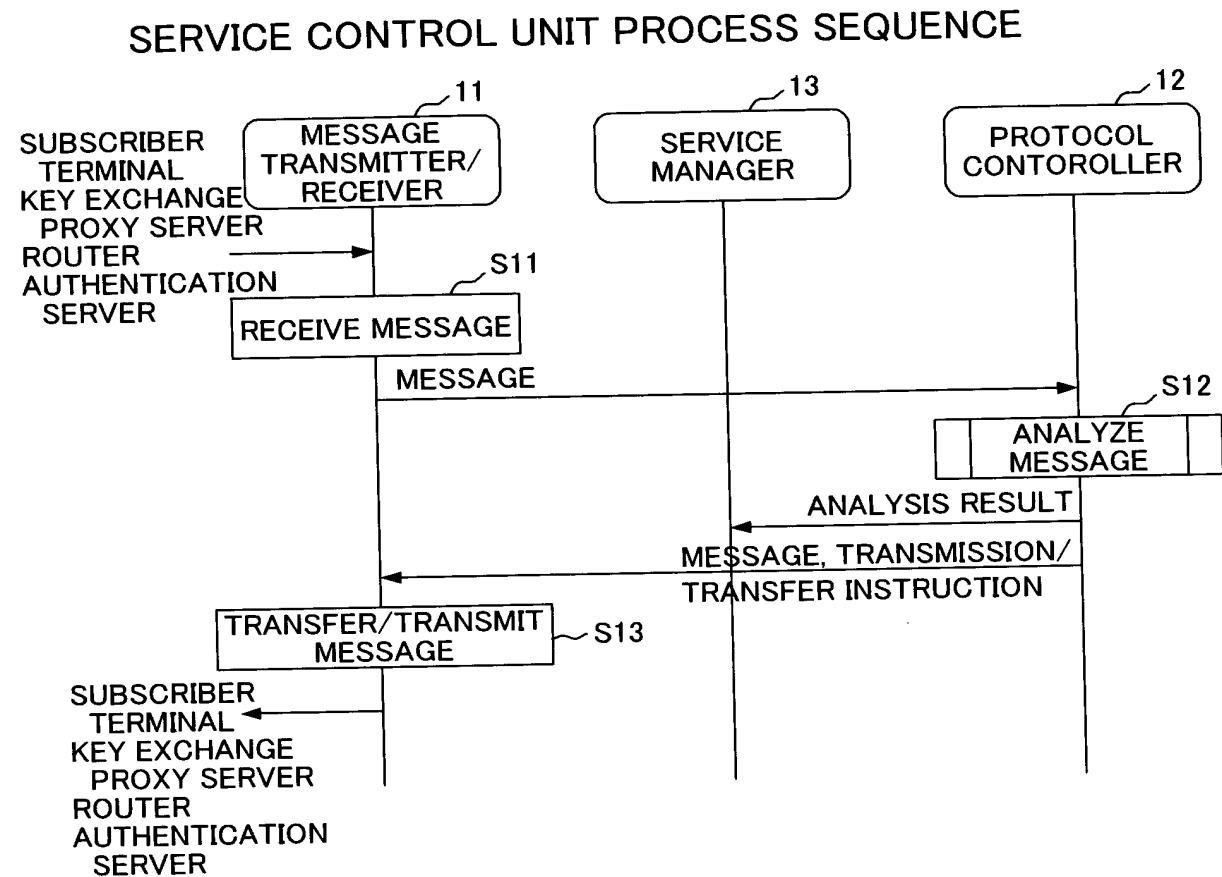


FIG. 10

FLOWCHART OF MESSAGE ANALYSIS PROCESSING OF  
SERVICE CONTROL UNIT

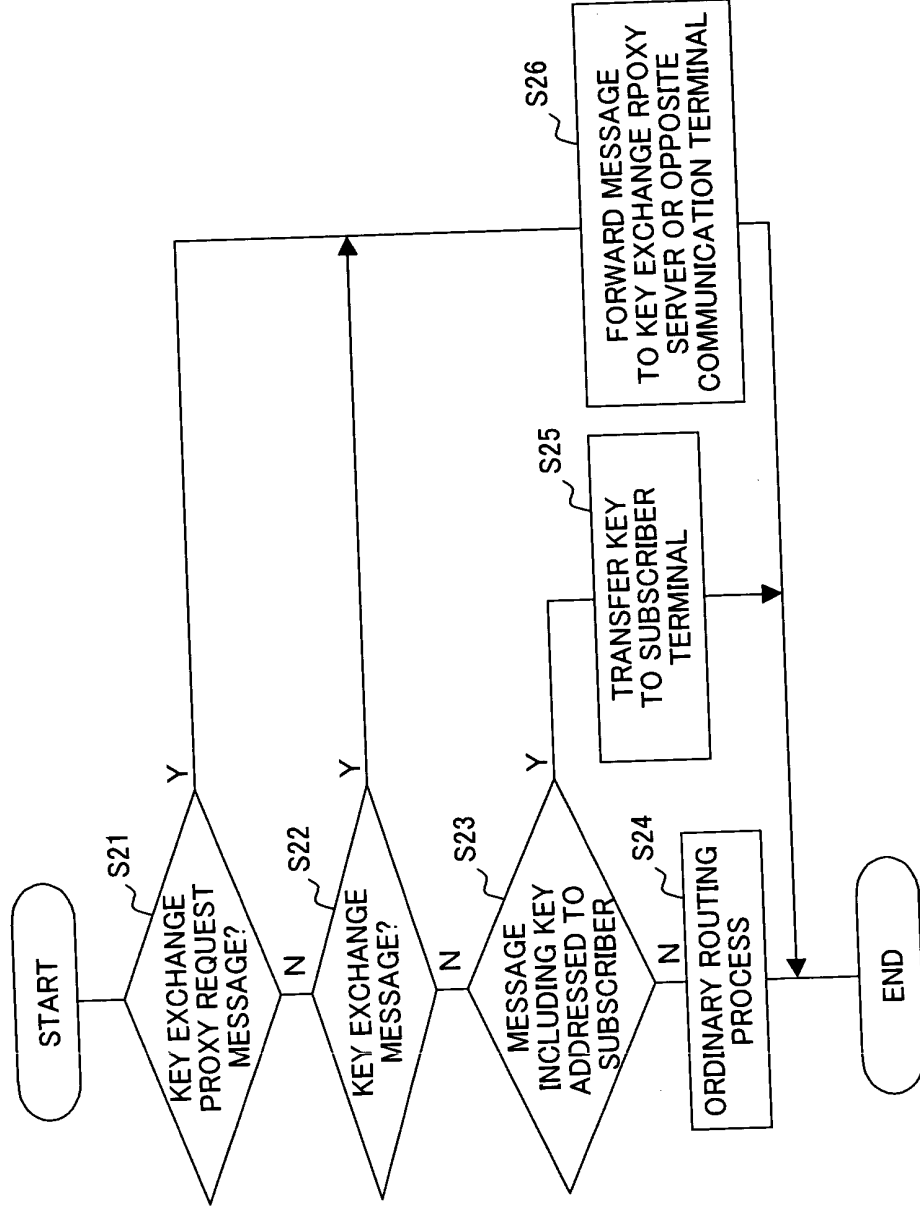
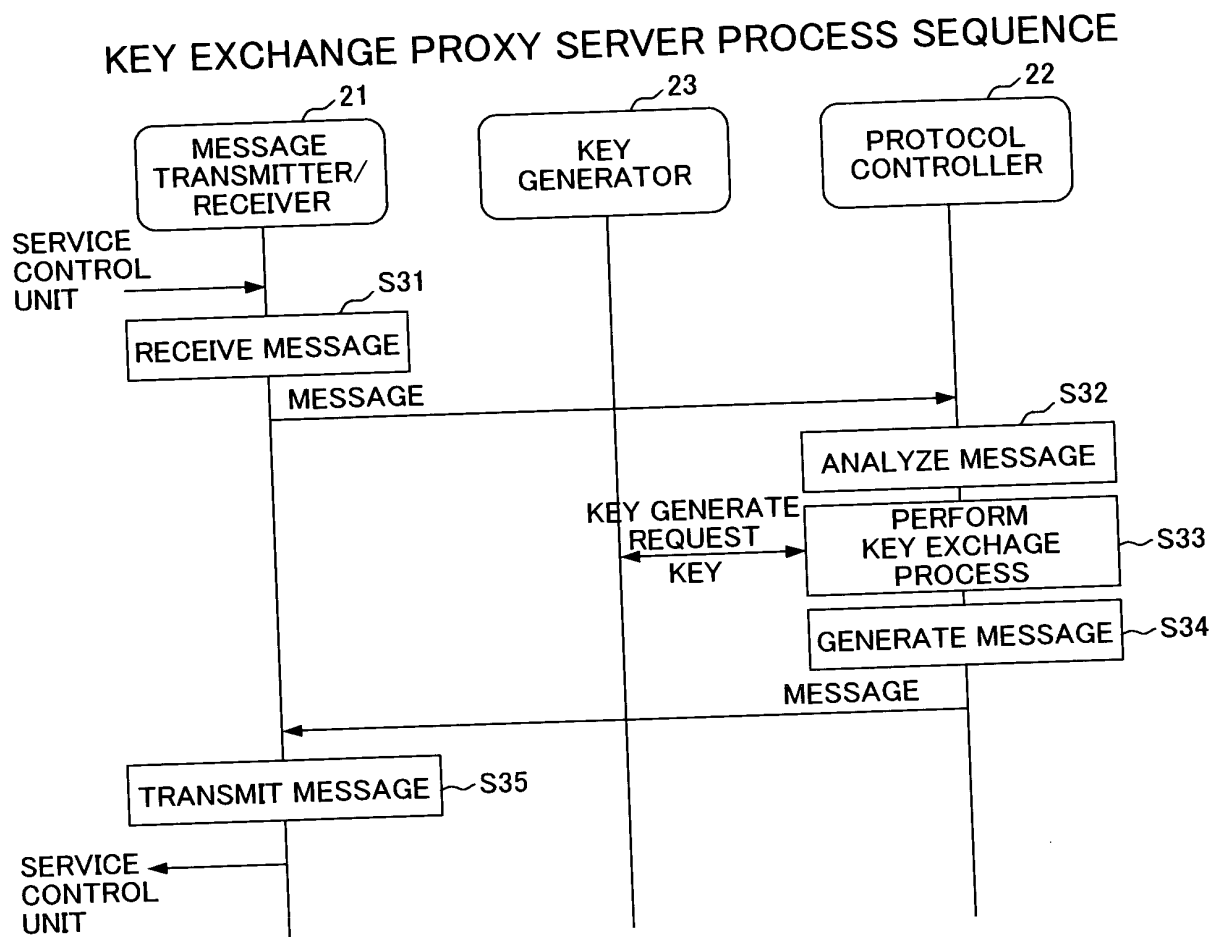


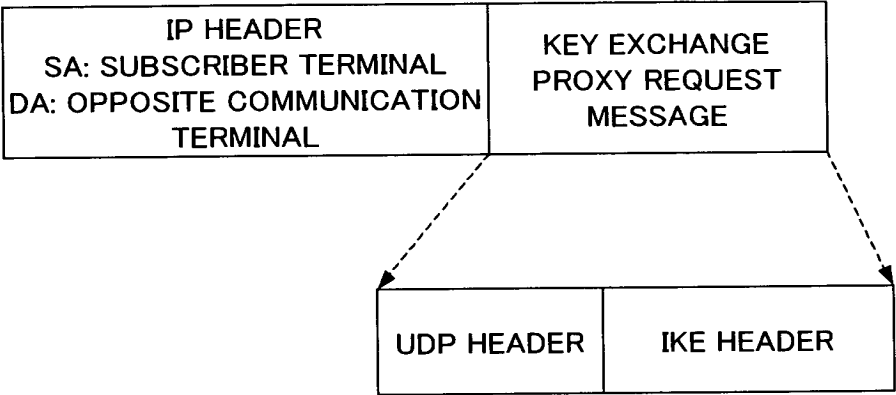
FIG. 11



**FIG. 12A**

**KEY EXCHANGE MESSAGE  
(KEY EXCHANGE PROXY REQUEST MESSAGE)**

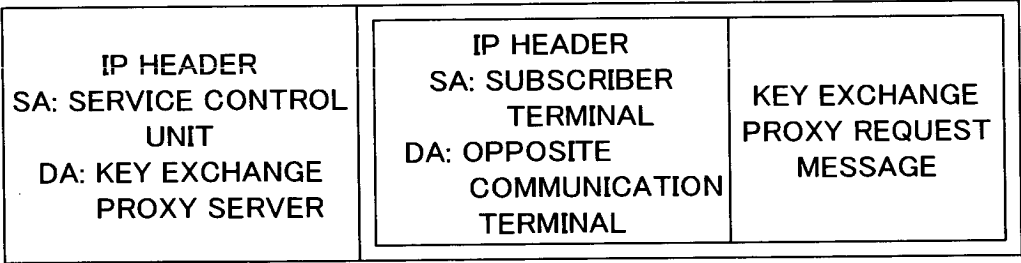
(SUBSCRIBER TERMINAL → SERVICE CONTROL UNIT)



**FIG. 12B**

**KEY EXCHANGE MESSAGE  
(KEY EXCHANGE PROXY REQUEST MESSAGE)**

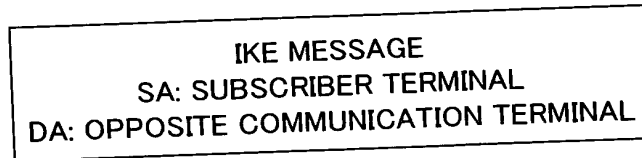
(SERVICE CONTROL UNIT → KEY EXCHANGE PROXY SERVER)



**FIG. 13A**

**KEY EXCHANGE MESSAGE**

(SERVICE CONTROL UNIT → OPPOSITE COMMUNICATION TERMINAL)



**FIG. 13B**

**KEY EXCHANGE MESSAGE**

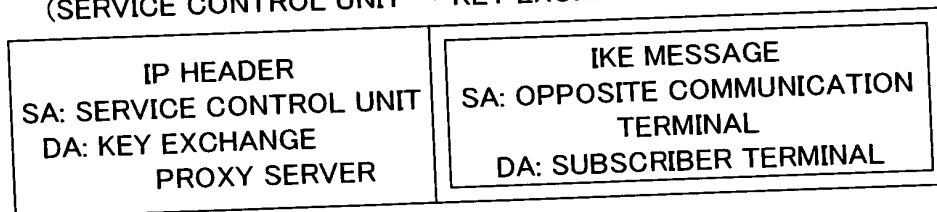
(OPPOSITE COMMUNICATION TERMINAL → SERVICE CONTROL UNIT)



**FIG. 13C**

**KEY EXCHANGE MESSAGE**

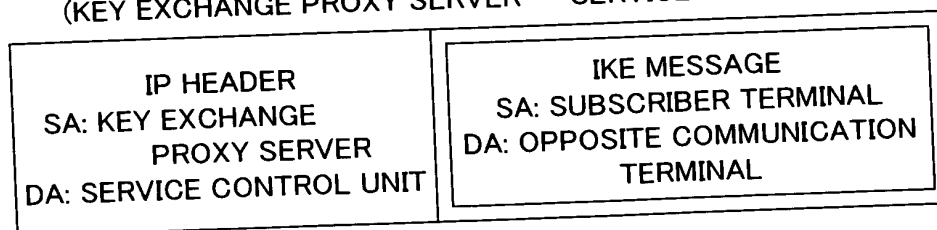
(SERVICE CONTROL UNIT → KEY EXCHANGE PROXY SERVER)



**FIG. 13D**

**KEY EXCHANGE MESSAGE**

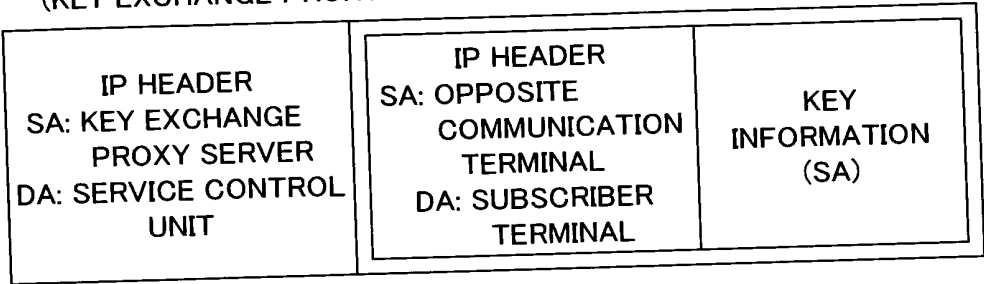
(KEY EXCHANGE PROXY SERVER → SERVICE CONTROL UNIT)



**FIG. 14A**

**KEY TRANSFER MESSAGE**

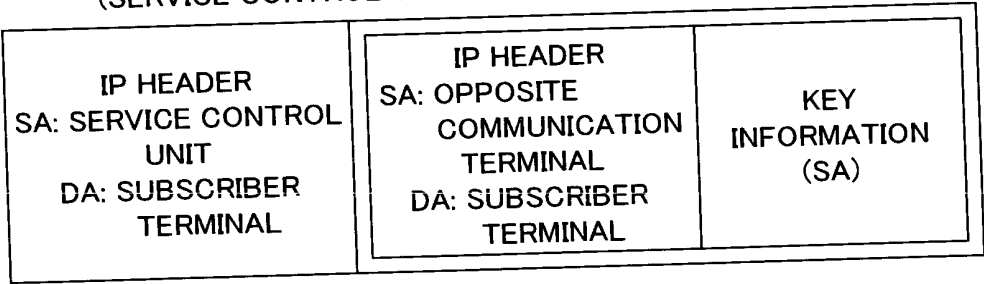
(KEY EXCHANGE PROXY SERVER → SERVICE CONTROL UNIT)



**FIG. 14B**

**KEY TRANSFER MESSAGE**

(SERVICE CONTROL UNIT → SUBSCRIBER TERMINAL)



**FIG. 15**

**SUBSCRIBER TERMINAL PROCESS SEQUENCE  
(PACKET TRANSMISSION/RECEPTION)**

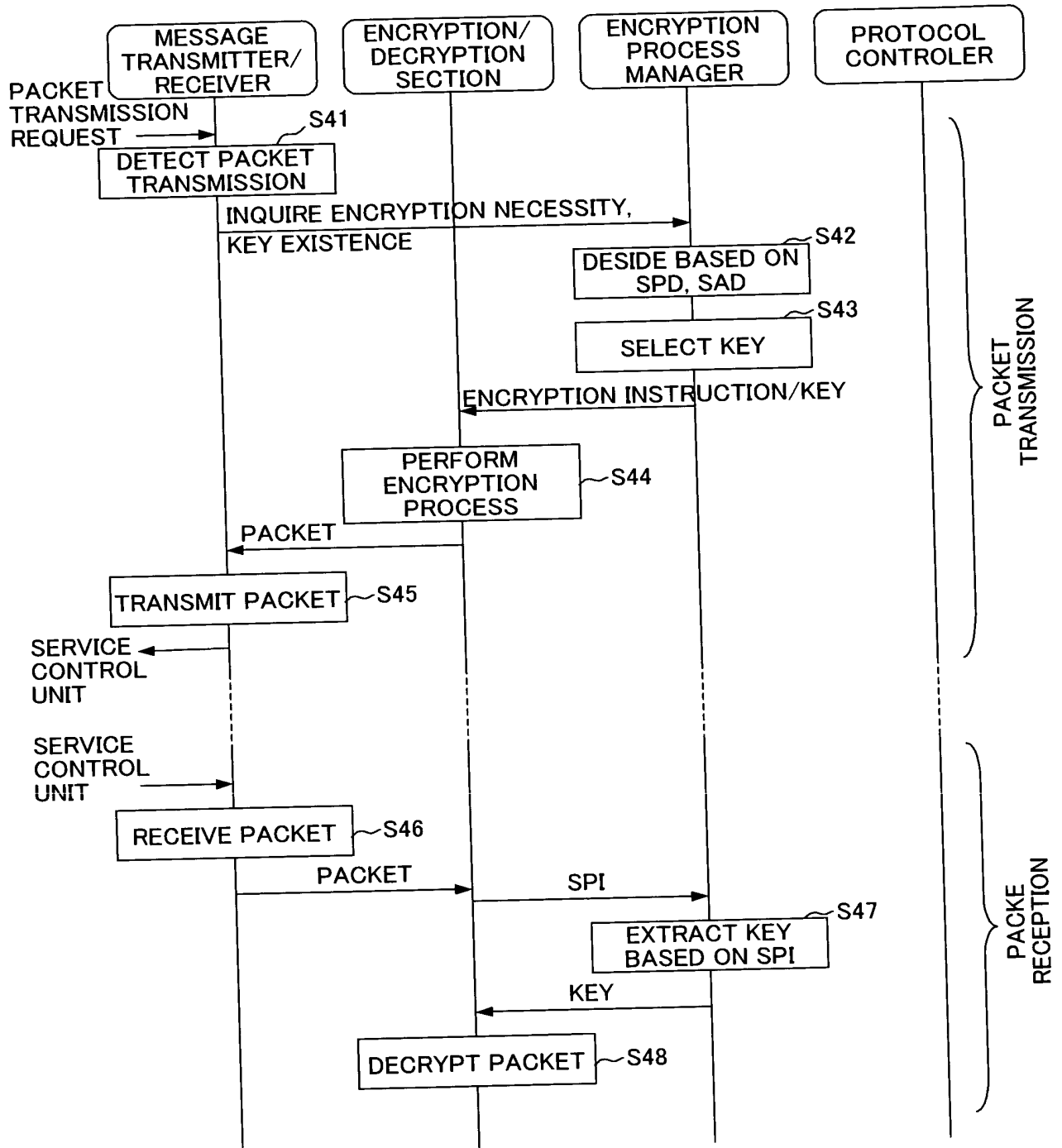


FIG. 16

